

CURRICULUM VITAE

PART I: General Information

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Name

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Place of Birth

Bronx, New York

Education

1978, B.A., Yale College
1982, M.D. (Neurology), Cornell University Medical College
1998, Ph.D. (Neurobiology), Harvard Graduate School of Arts & Sciences

Postdoctoral Training

1982-1983, Intern in Internal Medicine, LA County - USC Medical Center
1983-1986, Resident in Neurology, The New York Hospital - Cornell University Medical Center
1985, Chief Resident, Neurology Ward, The New York Hospital
1986, Chief Resident, Neurology Ward, Memorial Hospital - Sloan-Kettering Cancer Center
1986-1987, Fellow (Cognitive Neuroscience), Dept. of Neurology, The New York Hospital - Cornell University Medical Center and Memorial Hospital - Sloan-Kettering Cancer Center

Academic and Major Professional Appointments

1987-1988, Assistant Professor of Neurology, Cornell University Medical College
1988-1992, Assistant Professor of Medicine (Neurology) and of Psychiatry, Dartmouth Medical School
1993-1999, Instructor in Neurobiology, Harvard Medical School
2000-2009, Assistant Professor of Neurology, Harvard Medical School
2000-2005, Faculty, Harvard-M.I.T. Speech & Hearing Bioscience & Technology Graduate Studies Program
2000-2009, Board of Honors Tutors, Department of Psychology, Harvard University
2000-2009, Faculty Fellow, Mind Brain & Behavior Interfaculty Initiative, Harvard University
2002-2009, Teaching Affiliate, Department of Biology (Neurobiology), Harvard University
2002-current, Director, The Institute for Music & Brain Science, Boston, MA
2010-current, Lecturer in Ethnomusicology, UCLA Herb Alpert School of Music,
2012-2016, Assistant Clinical Professor of Neurology, David Geffen School of Medicine at UCLA
2016-current, Associate Clinical Professor of Neurology, David Geffen School of Medicine at UCLA

Hospital and Affiliated Institution Appointments

July 1987 – June 1988, Attending Neurologist, The New York Hospital, NY, NY
July 1988 – June 1991, Attending Neurologist, Dartmouth-Hitchcock Memorial Hospital, Hanover, NH
July 1988 – Sept 1991, Neurology Consultant, Franklin Regional Hospital, Franklin, NH
July 1992 – Dec 2009, Attending Neurologist, Massachusetts General Hospital, Boston, MA
July 1992 – June 2005, Neurology Consultant, McLean Hospital, Belmont, MA

July 1996 – Dec 2009, Research Associate, Eaton-Peabody Laboratory of Auditory Physiology, Massachusetts Eye & Ear Infirmary, Boston, MA
 1996-2005, Research Affiliate, Research Laboratory of Electronics, Department of Electrical Engineering & Computer Science, Massachusetts Institute of Technology, Cambridge, MA
 1999-2005, Associate Neurologist, Affiliated Staff, Brigham & Women's Hospital, Boston, MA
 2009-2011, Associate Neurologist, Affiliated Staff, Massachusetts General Hospital, Boston, MA
 2009-2010, Medical Director, Neurological & Rehabilitation Services, and Staff Neurologist, Good Samaritan Hospital, Los Angeles, CA
 2009-2013, Staff Physician, Section of Neurology, Dept of Medicine, Good Samaritan Hospital
 2012-current, Staff Neurologist, Ronald Reagan-UCLAMedical Center, Los Angeles, CA
 2013-current, Staff Neurologist, Los Robles Hospital & Medical Center, Thousand Oaks, CA

Other Professional Positions and Major Visiting Appointments

1998-current, Advisory Board, Songs of Love Foundation, New York, NY
 1999-2000, Board, Soldiers Field Park Children's Center, Boston, MA
 2000-2005, Advisory Board, BioMusic Program, National Musical Arts, Washington, DC
 2000, Consultant, Berkshire Hills Music Academy, South Hadley, MA
 2002-current, Scientific Advisory Board, Science Museum of Minnesota, St. Paul, MN
 2004-2007, Science Advisor, Morphonix, Inc., Sausalito, CA
 2007-current, Advisory Board, National Center for Human Performance, Texas Medical Ctr, Houston, TX
 2014-current, Board of Directors, University of California Music Experience Research Community Initiative

Licensure and Certification

1983, Diplomate, National Board of Medical Examiners
 1983-current, Drug Enforcement Administration Certification, U.S.A.
 1983-1988, New York State Medical License
 1988-current, Diplomate in Neurology, American Board of Psychiatry and Neurology
 1988-1992, New Hampshire Medical License
 1991-2010, Massachusetts Medical License
 1991-2010, Massachusetts Drug Enforcement Administration Certification
 2009-current, California Medical License

Hospital and Health Care Organization Service Responsibilities

1986-1987, Fellow, then Attending, Stroke and Coma Team, The New York Hospital, NY, NY
 1986-1988, Staff Physician, Medical and Neurological Services, Burke Rehabilitation Center, White Plains, NY
 1987-1988, Attending, Neurology Consult Service, Behavioral Neurology Consult Service, Neurology Faculty Practice Group, and Neurology Residents Clinic, The New York Hospital
 1988-1991, Attending, Behavioral Neurology Consult Service and Neurology Residents Clinic, Mary Hitchcock Memorial Hospital, Hanover, NH
 1988-1991, Neurology Consultant, Franklin Regional Hospital, Franklin, NH
 1992-2009, Attending, Neurology Inpatient Service, General Neurology Consult Inpatient Service, and Cognitive/Behavioral Neurology Outpatient Unit, Massachusetts General Hospital, Boston, MA
 1995-2005, Neurology Inpatient and Outpatient Consult Services, McLean Hospital, Belmont, MA
 2009-2010, Medical Director, Neurological & Rehabilitation Services, & Staff Neurologist, Good Samaritan Hospital, LA, CA
 2012-current, Attending, Neurology Residents Clinic, Reagan-UCLA Medical Center, LA, CA
 2013-2016, Stroke Team, Los Robles Hospital & Medical Center, Thousand Oaks, CA
 2013-current, Staff Neurologist, Los Robles Hospital & Medical Center, Thousand Oaks, CA

Committee Assignments

1996-2000, Standing Committee on Neuroscience, Harvard University
 2000-current, Standing Committee on Mind/Brain/Behavior, Harvard University
 2002-2003, Subcommittee on Undergraduate Curriculum, Harvard Mind/Brain/Behavior Interfaculty Initiative
 2002, NIH National Institute on Deafness & Other Communication Disorders, Special Emphasis Review

Panel, Exploratory/Developmental Research Program
 2003-4, 2008-9, NSF Grant Review Committee
 2004-2007, Large Animal Users Group, Massachusetts General Hospital
 2006-2009, Steering Committee, Mind Brain & Behavior Interfaculty Initiative, Harvard University
 2010-2011, Scientific Organizing Committee, Music Science & Medicine Symposium, New York
 Academy of Sciences
 2013-2016, Stroke Committee, Los Robles Hospital & Medical Center
 2015-current, Board of Directors, University of California Music Experience & Communication Research
 Community Initiative

Professional Societies

1983-current, American Academy of Neurology, Member
 1985-current, American Society for Composers, Authors, and Publishers, Writer Member
 1986-2010, Acoustical Society of America, Member
 1989-current, Society for Neuroscience, Member
 1991-1992, Stroke Council, American Heart Association, Fellow
 1992-2007, American Association for the Advancement of Science
 1995-2009, Society for Music Perception & Cognition
 1998-2008 Association for Research in Otolaryngology
 2000-2008, New York Academy of Sciences
 2006-7, Boston Music Research Association
 2009-current, National Academy of Recording Arts & Sciences

Editorial Boards

1989-current, Reviewer, *Science*, *Nature Neuroscience Reviews*, *Neuron*, *Journal of Neurophysiology*, *Trends in Neurosciences*, *Journal of the Acoustical Society of America*, *Cerebral Cortex*, *Music & Medicine*,
 Oxford Univ. Press books (partial list)
 1994-1998, Consulting Editor, *Music Perception*
 1997-2005, Associate Editor, *Journal of Cognitive Neuroscience*
 2007-current, Advisory Board, *Journal of Interdisciplinary Music Studies*

Awards and Honors

1974-1978, Joseph Tauber Scholar, Yale University
 1978, Bachelor of Arts *cum laude* with Honors in the Major (Biology), Yale University
 1978-1982, Joseph Collins Foundation Scholar, Cornell University Medical College
 1981-1982, Vincent Astor Scholar, Cornell University Medical College
 1987-1988, National Research Service Award, Physiology, National Institute of Neurological &
 Communicative Disorders & Stroke, National Institutes of Health
 1988-1991, Program Project Award, Co-Principal Investigator, National Institute of Neurological Disorders &
 Stroke, National Institutes of Health
 1989-1991, Cognitive Science Award, Co-Principal Investigator, Office of Naval Research
 1991-1992, National Research Service Award, National Institute of Mental Health
 1992-1997, Clinical Scientist Development Award, National Institute on Deafness and Other Communication
 Disorders, National Institutes of Health
 1992-1993, Sackler Scholar in Psychobiology, Harvard University
 1993-1994, Alwin M. Pappenheimer Scholar, Harvard University
 1997, Research Award, National Organization for Hearing Research
 1997-1998, Provost's Award for Educational Innovation, Harvard University
 1997-2002, Cognitive Neuroscience Program Award, McDonnell-Pew Foundation
 1998-2002, FIRST Award, National Institute on Deafness and Other Communication Disorders, National
 Institutes of Health
 2000, Harvard Medical School Class of 2000 Faculty Award for Excellence in Clinical Teaching (finalist)
 2000-2001, Gordon and Llura Gund Research Award, Mind/Brain/Behavior Interfaculty Initiative, Harvard
 University
 2002-current, Institute for Music & Brain Science
 2009, Performing Arts Medicine Association Richard Lederman Award

2009-2010, Grammy Foundation Research Award

2015-2016, President's Research Catalyst Award, University of California

PART II: Research, Teaching, and Clinical Contributions

Report of Teaching

Local contributions

The New York Hospital - Cornell Medical Center, 1986-1988

1986-1988, Neurology Outpatient Clinic, Attending, PGY 2-4 Neurology Residents, 48 hrs/yr

1986-1988, Cognitive Neuroscience Seminar Series for Neurology Residents, Organizer and Lecturer, 36 hrs/yr

1986-1988, Neurology/Neurosurgery Grand Rounds, 1 per year

1987-1988, Neurology Consult Service, Attending, PGY-3 Neurology Resident, 112 hrs/yr

1987-1988, Third Year Clerkship in Neurology, Tutor, 4 students/yr, 20 hrs/yr

1987-1988, Fourth Year Neurology Elective in Cognitive Neuroscience, Tutor, 2 students/yr, 40 hrs/yr

Dartmouth – Hitchcock Medical Center, 1988-1991

1988-1991, Neurology Outpatient Clinic, Attending, PGY 2-4 Neurology Residents, 60 hrs/yr

1989, 1990, Neurology/Neurosurgery Grand Rounds, 1 per year

1988-1991, Resident Research Elective in Cognitive Neuroscience, Tutor, 40 hrs/yr

1989-1991, Behavioral Neurology Ward Rounds, 12 hrs/yr

1989-1991, McDonnell-Pew Graduate Studies in Cognitive Neuroscience, Lecturer & Laboratory Instructor, 2 students/yr, 60 hrs/yr

1988-1991, 2nd-Year Scientific Basis of Medicine: Neurology, Lecturer, 10 hrs/yr

1989-1991, Fourth Year Elective in Cognitive Neuroscience, Tutor, 2 students/yr, 40 hrs/yr

Harvard Medical School, Graduate School Division of Medical Sciences, and College; Harvard-MIT Division of Health Sciences and Technology; and Massachusetts General Hospital, 1992-2009

1992, Program in Neuroscience Seminar, Wood's Hole

1992-2009, Neurology Ward or Consult Service, Attending, PGY 1, 2, and 4 Neurology, Psychiatry, and Physiatry Residents and Interns, 100+ hrs/yr

1992-2009, Cognitive/Behavioral Neurology Unit, Attending, PGY 3 Neurology Residents, 48 hrs/yr

1992-current, Neurology Residents Cognitive/Behavioral Neurology Seminar, Attending, 24 hrs/yr

1993, Second Year Physical Diagnosis in Neurology, Tutor, 4 students/yr, 16 hrs/yr

1993, HST 722: Brain Mechanisms of Hearing and Speech, Lecturer, 12 graduate students/yr, 4 hrs/yr

1993, Neurobiology Department Seminar Series, Lecturer, 20 hrs

1993, 1995, 1997, Neurobiology 208: The Visual System, Lecturer, 10 medical and graduate students/yr, 6 hrs/yr

1994-current, Clinical Clerkship in Neurology, Examiner, 1 medical student/yr, 2 hrs/yr

1994, 2000, Neurology Residents Neuroscience Seminar, Lecturer, PGY 2-4 Neurology Residents, 5 hrs/yr

1995-2004, General Neurology Residents' Clinic, Preceptor, PGY 2-4 Neurology Residents, 30 hrs/yr

1995-2007, Tutor, PGY-2 Residents Cognitive Neurology Case Seminar, 40 hrs/yr

1996, 1999, 2007, 2nd-Year HMS/HDS Course: Human Nervous System & Behavior, Lecturer & Tutor, 12-20 medical/dental students/yr, 60 hrs/yr

1997, 1998, 2005 HST 799, Special Topics Research in the Speech & Hearing Sciences, 1 student/yr, 120 hrs/yr

1997, 2001, MGH Neurology Grand Rounds, 1 per year

1998, 1999, 2001, Neurology Professor's Rounds, PGY 1-4 Neurology, Psychiatry, and Physiatry Residents and Interns, 2 hrs/yr

1998, 2000, 2001, Psychology 987b, Music, Mind, & Brain, 12 undergraduates/yr, 100 hrs/yr

1999-2001, Mind/Brain/Behavior Thesis Workshop, 12 undergraduates/yr, 15 hrs/yr

1999, 2000, 2005, 2006 Behavioral Neurology Signs Rounds, PGY 1-4 Neurology, Psychiatry, and Physiatry 12 hrs/yr

2000, Mind/Brain/Behavior Faculty Fellowship Seminar Series, 20 hrs

2000-2009, Mortality and Morbidity Conference, PGY 2-4 Neurology Residents, 18 hrs/yr
 2001, Mind/Brain/Behavior Advisory Board Seminar
 2004, 2007, HST 725, Music Perception & Cognition (Co-Instructor), 4-8 students/semester
 2004-2009, General Neurology Residents' Clinic, Attending, PGY 2-4 Neurology Residents, 240 hrs/yr
 2007, Neurobiology 101, Auditory Neurobiology of Language & Music (Lecture course)
 Good Samaritan Hospital, Neurological & Rehabilitation Inpatient Service
 2010, Neurorehabilitation Inpatient Rounds (twice monthly, 20 PM&Rs, RNs, SpTs, PTs, OTs, RecTs, CSWs)
 David Geffen School of Medicine at UCLA/Ronald Reagan UCLA Medical Center, 2010-current
 2010, Neurology/Neuroscience Grand Rounds, Functional Brain Organization in Relation to Music Cognition
 2012-current, Professors Rounds, Neurology Inpatient Patient Service (semi-annual)
 2012-current, Neurology Residents Outpatient Clinic (monthly)
 UCLA Herb Alpert School of Music
 2010-2012, Ethnomusicology 188: Advanced Topics. Music and the Brain. (annual seminar, 20 students/quarter, 150 hrs/yr)
 2013-current, Music Industry 103: Advanced Topics. Music and the Brain. (annual seminar, 20 students/quarter, 150 hrs/yr)

Continuing Medical Education Courses

1988, Cornell Medical College, Lecturer, Review of Internal Medicine, Lecturer, NY, NY
 1997-2009, Harvard Medical School, Co-Founder, Director (2001, 2007), Co-Director, & Lecturer, Dementia: A Comprehensive Update, 80 hrs/yr, Boston, MA
 2016, Mozart & the Mind: An Exploration of Prodigy, Lecturer, SD, CA

Advisory and Supervisory Responsibilities

Cornell Medical College
 1987-1988, First Year Student Faculty Advisor, 6 students/yr, 24 hrs/yr
 Harvard Medical School, Graduate School Division of Medical Sciences, and College; Harvard-MIT Division of Health Sciences and Technology; and Massachusetts General Hospital
 1995-2007, Psychology 985, Preparation for the Honors Thesis 1 undergraduate every other yr, 50 hrs/student
 1995-2009, Psychology 990, Honors Thesis Advisor, 1 undergraduate every other year, 100 hrs/student
 1995-2007, Psychology 985, Preparation for the Honors Thesis, 1 undergraduate every other yr, 50 hrs/student
 1997-2000, Psychology 910r, Supervised Reading/Research, 1 undergraduate every other year, 50 hrs/student
 1998, 2002 Biology 98r, Introduction to Research, 1 undergraduate/yr, 50 hrs/yr
 1998-1999, Biology 99, Honors Thesis Advisor, 2 undergraduates/yr, 100 hrs/student
 1999-2000, Thesis Advisory Committee, HST Speech & Hearing Sciences, 1 graduate student/yr, 16 hrs/yr
 2000, Thesis Qualifying Examination Committee, HST, Speech & Hearing Sciences
 2000-2001, Psychology Honors Thesis Committee, 2 undergraduates/yr; 20 hrs/student
 2000-2001, Special Concentrations 99, Honors Thesis Advisor, 1 undergraduate/yr, 100 hrs/yr
 2001-2002, Special Concentrations 91r, Supervised Reading and Research, 1 undergraduate, 15 hrs/yr
 2002-2003, PhD Thesis Committee, Cory Miller, Psychology, 20 hrs/yr
 2006-2007, Mentor, Senior Neurology Resident (1), 50 hrs/yr
 2008-2009, PhD Thesis Committee, Aaron Berkowitz, Music, 20 hrs/yr
 David Geffen School of Medicine at UCLA/Ronald Reagan UCLA Medical Center
 2012-2013, Tutor, Senior Resident Research Seminar (Cognitive Neuroscience), 10 hrs/yr

Regional, national, and international contributions

1985, Session on Multiple Sclerosis: Clinical Investigation and Therapy, 37th Annual Meeting of the American Academy of Neurology

- 1987, Cerebrovascular Disease II: Poster Presentations, American Neurological Association 114th Annual Meeting
- 1988, Session on Cerebral Metabolism, 40th Annual Meeting of the American Academy of Neurology
- 1989, Behavioral Neurology Poster Session, American Neurological Association 114th Annual Meeting
- 1989, Interhemispheric Relations Poster Session, Society for Neuroscience 19th Annual Meeting
- 1989, McDonnell Foundation Summer Institute in Cognitive Neuroscience Faculty and Lecturer (invited)
- 1990, Second International Conference on Music and the Cognitive Sciences, Cambridge University, Lecturer (invited)
- 1990, Human Behavioral Neurobiology Poster Session, Society for Neuroscience 20th Annual Meeting
- 1990, First Annual McDonnell-Pew Program in Cognitive Neuroscience Investigators' Workshop, Lecturer (invited)
- 1990, Behavioral Neurology Poster Session, American Neurological Association 115th Annual Meeting
- 1990, McDonnell Foundation Summer Institute in Cognitive Neuroscience Faculty and Lecturer (invited)
- 1991, Functional Aspects of Auditory Cortex Symposium, Lecturer, International Brain Research Organization Third World Congress of Neuroscience, (invited)
- 1991, Music and the Brain Session, Lecturer, Second International Conference on Music Perception and Cognition, UCLA (invited)
- 1991, Central Auditory Physiology Poster Session, Society for Neuroscience 21st Annual Meeting
- 1991, Cognitive Neuroscience Session, Co-Chair and Lecturer, 2nd International Conference on Epilepsy and the Corpus Callosum (invited)
- 1991, Scientific Session, Lecturer, Society for University Neurosurgeon (invited)
- 1991, Neurology Grand Rounds, Lecturer, Yale School of Medicine Neurological Study Unit and Yale-New Haven Hospital (invited)
- 1992, Central Auditory Physiology Slide Session, Society for Neuroscience 22nd Annual Meeting
- 1992, Music and the Brain Symposium, Lecturer, Art Institute of Chicago (invited)
- 1992, International Conference on the Psychophysiology and Psychopathology of the Sense of Music, Lecturer (invited)
- 1993, Central Auditory Physiology Slide Session, Society for Neuroscience 23rd Annual Meeting
- 1994, Behavioral Neuroscience Seminar Series, Brigham & Women's Hospital/Beth Israel Hospital (invited)
- 1994, Central Auditory Physiology Poster Session, Society for Neuroscience 24th Annual Meeting
- 1994, Harvard Music Department Seminar Series (invited)
- 1996, Functional Aspects of Auditory Cortex Workshop, Lecturer, XXVIth International Congress of Psychology (invited)
- 1996, Auditory Cortex Physiology - Primates Poster Session, Society for Neuroscience 26th Annual Meeting
- 1997, Music and the Brain Symposium, Lecturer, International Computer Music Conference, (invited)
- 1997, Pedagogical Session: Neurobiology, Lecturer, International Conference on Complex Systems (invited)
- 1997-2009, Dementia: A Comprehensive Update, Director/Co-Director/Lecturer, Harvard Medical School Dept of Continuing Medical Education
- 1998, Moderator, Press Conference on Music and the Brain, Society for Neuroscience 28th Annual Meeting, LA, CA (invited)
- 1998, Auditory Cortex Physiology - Complex Sounds Poster Session, Society for Neuroscience 28th Annual Meeting
- 1998, Harvard Psychology Department Seminar Series, Lecturer, 20 hrs 1999, Auditory Cortex Slide Session, 22nd Association for Research in Otolaryngology Midwinter Meeting
- 1999, Central Auditory Physiology: Spectrotemporal Coding Poster Session, Society for Neuroscience 29th Annual Meeting
- 2000, Biological Foundations of Music, New York Academy of Sciences (invited)
- 2000, The Music of Nature and the Nature of Music, Lecturer, Smithsonian Institute, National Musical Arts, National Academy of Sciences (invited)
- 2000, Association for Research in Otolaryngology: Inner Ear: Normal Structure or Function Poster Session
- 2000, 2001, Cambridge Hospital, Neurology Lecture Series (invited)
- 2001, 21 Club, Harvard Mind/Brain/Behavior Board Dinner, New York, NY (invited)
- 2001, Auditory: Coding, Tuning and Perception Poster Session, Society for Neuroscience 31st Annual Meeting
- 2001, Berklee College of Music, Music Therapy Symposium, Music & The Brain (invited)
- 2001, The Harvard Club of Boston: A Saturday of Symposia. Music, Mind, and Brain (invited)
- 2002, Learning & The Brain Symposium, Music Education, & The Brain. Cambridge, MA (invited)
- 2002, Hudson Theatre, Beth Abraham Music Therapy Program, Music Cognition. NY, NY (invited)

- 2002, Auditory Neuroscience Seminar Series, University of Connecticut at Storrs, Effects of Auditory Cortex Lesions on Music Perception (invited)
- 2003, Neuroesthetics Symposium, University of California at Berkeley, Widely Distributed Neural Systems for Musical Aesthetics (invited)
- 2004, Linda and Jack Gill Center for Biomolecular 2004 Symposium and Award, Indiana University (invited)
- 2004, Jill S. Titus Lecture, Institute for Mind, Body & Spirituality, Lesley College (invited)
- 2004, Special Session of the 50th Annual Meeting of the Acoustic Society of America, Musical Acoustics: Neurophysiology of Musical Instrument Playing, New York (invited)
- 2004, Carnegie Hall Concert and Symposium, Beautiful Minds, Beautiful Music, New York (invited)
- 2005, Neurosciences & Music Symposium, Leipzig, Germany (invited)
- 2005, Leibniz Institute, Magdeburg Germany (invited)
- 2005, Harvard Club of Fort Lee, FL (invited)
- 2005, Roland M. Pinkham Annual Memorial Lecture, Swedish Medical Center, Seattle, WA (invited)
- 2006, Harvard Medical Exchange Club, Harvard Club of Boston (invited)
- 2006, Neurosciences Institute, LaJolla, CA (invited)
- 2006, Arts in Medicine Series, Memorial Sloan-Kettering Cancer Center (invited)
- 2007, National Center for Human Performance, Houston, TX (invited)
- 2007, Center for Performing Arts Medicine, Methodist-Cornell Medical Center, Houston, TX (invited)
- 2007, Cold Spring Harbor Interdisciplinary Symposium on Memory in Neuroscience & the Humanities (invited)
- 2008, National Academy of Sciences Annual Meeting, Koshland Science Museum, Music and the Brain: Performance and Discussion, Washington, DC (invited)
- 2009, Keynote Lecture, Cleveland Clinic, Music and the Brain Symposium, Cleveland, OH (invited)
- 2008, Duke University, Opening Lecture, Music and the Brain Symposium, Durham, NC (invited)
- 2009, Shepherd School of Music, Rice University, Exploring the Mind Through Music Symposium, Houston, TX (invited)
- 2009, Moderator, Press Conference on Music and the Brain, Society for Neuroscience 39th Annual Meeting, Chicago, IL (invited)
- 2009, Barrow Neurological Institute, Neurology/Neurosurgery Grand Rounds, Phoenix, AZ (invited)
- 2009, International Mind Brain & Education Society Meeting, Panel: Advances in the cognitive neuroscience of music: Implications for education, Philadelphia, PA (invited)
- 2009, National Academy of Recording Arts & Sciences, Board Meeting, LA, CA (invited)
- 2009, International Mind Brain & Education Society Meeting, Panel: Emotion, learning, & the brain: Insights from experimental neuroscience & educational approaches to children with neurological disease, Philadelphia, PA (invited)
- 2009, Michael Ty Memorial Lecture, Brigham & Women's Hospital and Massachusetts General Hospital, Boston, Massachusetts (invited)
- 2009, Richard J. Lederman Keynote Lecture, Performing Arts Medicine Association, Snowmass, CO (invited)
- 2009, Music & the Brain Symposium, Lincoln Center, New York, NY (invited)
- 2010, Music & the Brain Forum, Stanford University Institute for Creativity & the Arts, Palo Alto, CA (invited)
- 2011, New York Academy of Sciences, Music Science & Medicine Symposium, New York, NY (invited)
- 2011, Keynote Speaker, International Society for Quantitative Research in Music & Medicine Symposium, Ogden, UT (invited)
- 2011, Aspen Ideas Festival. Opening Ceremony: The Big Idea; and Music On the Edge Symposium. Aspen CO (invited)
- 2012, Integrative Music & Medicine Pain Conference, Louis Armstrong Center for Music & Medicine, Beth Israel Medical Center, New York, NY (invited)
- 2012, Neuroscience of Music Symposium. Lectures: Neural Coding of Tonal Harmony; Cerebral Organization of Music-Related Functions. Workshop: Tonal Harmony. Monte Verita, Ascona, Switzerland (invited)
- 2012, PainWEEK 2012, Music Therapy Symposium, Effect of Music on Neuromodulation of Pain Responses, Las Vegas, NV (invited)
- 2013, Mental Notes: Music, Cognition & the Brain Symposium, UCLA (invited)

- 2013, Music & Brain Health: A Forum on Neurology, Song, and the Oral Tradition, Port Townsend, WA (invited)
- 2014, Convergence: A Multidisciplinary Dialogue on Music, Temporal Dynamics Learning Center & Dept of Music, UCSD (invited)
- 2015, University of California Multi-Campus Symposium on Music in Relation to Neuroscience, Medicine, & Education, Los Angeles, CA (Director, Lecturer)
- 2016, Music & the Brain, One Day University, Sacramento, CA (invited)
- 2016, University of California Multi-Campus Symposium & Research Workshop on Music Experience & Communication (Co-Director)
- 2016, Mozart & the Mind: An Exploration of Prodigy, SD, CA (invited)

Public Education (partial list)

- 1995, *NBC Nightly News with Tom Brokaw*, The New York Times *Science Times*, Boston Magazine
- 1996, BBC 4 Television, Los Angeles Times, Atlanta Journal-Constitution, Young Students Learning Library Science Yearbook, American Psychological Association Monitor
- 1997, The Washington Post, The Boston Globe *Quotes of Note*, Fox News Channel
- 1998, *NBC Today Show*, *PBS Healthweek*, CBS National Radio, Public Radio International, New England Cable News, KCBS Radio San Francisco, WAV-FM Radio Tokyo, ZIP-FM Radio Nagoya, LA Times, USA Today
- 1999, Lifetime Channel, Discovery Science Channel, NPR *Living On Earth*
- 2001, National Geographic TV, WBZ-TV Boston, WCVB-TV Boston, Discovery Channel, NPR *The Connection*, US News & World Report, Discover Magazine, The New York Times *Science Times*, The Boston Globe *Health/Science*
- 2002, WCVB-TV Boston, Canadian Broadcasting Corporation Radio *Ideas*, People Magazine, ABCnews.com, NPR *Infinite Mind*
- 2003, The New York Times, Harvard Medical School Alumni Bulletin, Neurology Today, Edmonton Journal
- 2004, Journal of the American Medical Association, PBS-TV *Closer To Truth*, WiredNews.com, Discover
- 2005, CBS-TV Sunday Morning, National Public Radio, Chicago Tribune, Seattle Times
- 2005, Swedish Medical Center Roland D. Pinkham, MD Lectureship, Human Brain Organization in Relation to Music Cognition
<http://videomedia2.swedish.org/mediasite/Viewer/?peid=06d3fdb3628c436a905d933568e43a0c>
- 2005, Swedish Medical Center Roland D. Pinkham, MD Lectureship, Neurology and Neurophysiology of Harmony Perception
<http://videomedia2.swedish.org/mediasite/Viewer/?peid=b9153bbe053145a8994b1601daabea1a>
- 2006, The Wall Street Journal, US News & World Report, NPR, St Louis Post-Dispatch
- 2007, Washington Post
- 2007, *Radiolab*
- 2008, *Nightline*, WABC-TV
- 2009, *All Things Considered*, NPR
- 2009, Duke University Music and the Brain Symposium Lecture,
<http://www.youtube.com/watch?v=gviCJw3BqfQ>
- 2010, Stanford University Music and the Brain Forum Lecture,
<http://www.youtube.com/watch?v=5zLGrbVLvhg>
- 2011, Keynote Lecture, ISQRMM, <http://www.youtube.com/watch?v=edUh2w4jCtc>
- 2011, The Science Network, Functional Brain Organization in Relation to Music Cognition & Emotion,
<http://thesciencenetwork.org/search?speakers=Mark+Jude+Tramo>
- 2011, Aspen Ideas Festival, *GenConnect*, <http://www.genconnect.com/career/harvard-medicals-dr-mark-tramo-science-of-music-video/>
- 2011, Aspen Ideas Festival, Mark Tramo's Big Idea at the 2011 Aspen Ideas Opening,
<http://www.aspenideas.org/session/mark-tramos-big-idea-2011-aspen-ideas-festival-opening>
- 2014, *The Doctors*, KCAL-TV, How Music Affects the Brain
- 2014, The Science Network, From The Beatles to the Brain,
<http://thesciencenetwork.org/search?speakers=Mark+Jude+Tramo>

PART III.

A. Bibliography

1. Tramo MJ, Hainline B, Petito F, Lee B, Caronna J Vertebral artery injury and cerebellar stroke while swimming. *Stroke* 1985; 16:1039-1042
2. Tramo MJ, Schneck MJ, Lee BCP, Rapoport S Evoked potentials and magnetic resonance imaging in
3. Tramo MJ, Hainline B Stroke in sports. In: Jordan B, Tsairis P, Warren R, eds. *Sports Neurology*. Rockville, Maryland: Aspen Publishing Co, 1989:98-115
- the diagnosis of multiple sclerosis. *Neurology* 1985; 35(Suppl 1):105
4. Levy DE, Sidtis J, Rottenberg DA, Jarden JO, Strothers S, Dhawan V, Ginos JZ, Tramo MJ, Evans AC, Plum F The vegetative state and locked-in states affect cerebral blood flow and glucose utilization differently. *Annals of Neurology* 1987; 22:673-682
5. Tramo MJ, Sidtis JJ, Dhawan V, Strothers S, Moeller J, Ginos J, Sergi M, and Rottenberg DA Variability of regional glucose extraction fraction in the normal resting state. *Annals of Neurology* 1987; 22(Suppl):161A
6. Tramo MJ, Gazzaniga MS Discrimination and recognition of complex tonal spectra by the cerebral hemispheres: Differential lateralization of acoustic-discriminative and semantic-associative functions in auditory pattern perception. *Society for Neuroscience Abstracts* 1987; 15:1060
7. Tramo MJ, Baynes K, Volpe B Impaired syntactic comprehension and production in Broca's aphasia: CT lesion localization and recovery patterns. *Neurology* 1988; 38:95-98
8. Eidelberg D, Tramo M, Strother SC, Moeller JR, Sidtis JJ, Dhawan V, Rottenberg DA Variability in regional cerebral metabolic rate for glucose (rCMRGlu) and the consequences for the study of neurologic disease with FDG/PET. *Neurology* 1988; 38(Suppl 1):367
9. Tramo MJ, Gazzaniga MS Recovery patterns in neurobehavioral syndromes. W.H.O. Collaborating Centre for Research and Training in Neurosciences, Neuroplasticity of the Nervous System, Beijing,
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